

1.

a)

```
sergi@sergi:~$ grep -En treball pr2_exer1.txt
6:treball2
7:treballs23
18:treball111
19:prtreballs3
sergi@sergi:~$
```

b)

```
sergi@sergi:~$ grep -En 456 pr2_exer1.txt
3:2345678
8:4569832
12:456564879
13:texto4567
15:456456456uhdhdh456
16:2345644
17:785322456
sergi@sergi:~$
```

c)

```
sergi@sergi:~$ grep -En 456456 pr2_exer1.txt
15:456456456uhdhdh456
sergi@sergi:~$
```

d)

```
sergi@sergi:~$ grep -En \(456\) \{2,4\) pr2_exer1.txt
15:456456456uhdhdh456
sergi@sergi:~$
```

e)

```
sergi@sergi:~$ grep -En '7$' pr2_exer1.txt
1:1567
2:5647
13:texto4567
14:567
sergi@sergi:~$
```

f)

```
sergi@sergi:~$ grep -En \(^...7$\) pr2_exer1.txt
1:1567
2:5647
sergi@sergi:~$
```

g)

```
sergi@sergi:~$ grep -En \(^treball{2,3}$\) pr2_exer1.txt
grep: (^treball3$): No existe el archivo o el directorio
pr2_exer1.txt:6:treball2
```

h)

```
sergi@sergi:~$ grep -En \(^treball..3$\) pr2_exer1.txt
7:treballs23
```

i)

```
sergi@sergi:~$ grep -Env 456 pr2_exer1.txt
1:1567
2:5647
4:192.168.134.112
5:192.168.134.115
6:treball2
7:treballs23
9:192.168.134.105
10:192.168.134.159
11:67840
14:567
18:treball111
19:prtballs3
sergi@sergi:~$
```

2.

a)

```
sergi@sergi:~$ head -n2 pr2_exer1.txt >> exer2a.txt
sergi@sergi:~$ cat exer2a.txt
1567
5647
sergi@sergi:~$
```

b)

```
sergi@sergi:~$ head -n7 pr2_exer1.txt | grep tr >> exer2b.txt
sergi@sergi:~$ cat exer2b.txt
treball2
treballs23
sergi@sergi:~$
```

c)

```
sergi@sergi:~$ sort exer2b.txt >> ordenexer2b.txt
sergi@sergi:~$ cat ordenexer2b.txt
treball2
treballs23
sergi@sergi:~$
```

d)

```
sergi@sergi:~$ cat exer2a.txt >> ordenexer2b.txt
sergi@sergi:~$ cat ordenexer2b.txt
treball2
treballs23
1567
5647
sergi@sergi:~$
```

3.

```
sergi@sergi:~$ ls -l >> exer3.txt
sergi@sergi:~$ cat exer3.txt
total 68
-rwxr--r-- 1 sergi sergi  40 nov  1 18:12 ab.txt
-rwxr--r-- 1 sergi sergi  20 nov  1 18:06 a.txt
-rwxr--r-- 1 sergi sergi  20 nov  1 18:06 b.txt
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Descargas
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Documentos
drwxr-xr-x 2 sergi sergi 4096 nov  6 16:29 Escritorio
-rw-rw-r-- 1 sergi sergi  10 nov  6 16:14 exer2a.txt
-rw-rw-r-- 1 sergi sergi  20 nov  6 16:25 exer2b.txt
-rw-rw-r-- 1 sergi sergi   0 nov  6 16:30 exer3.txt
d----- 2 sergi sergi 4096 nov  1 17:42 exercici
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Imágenes
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Música
-rw-rw-r-- 1 sergi sergi  30 nov  6 16:29 ordenexer2b.txt
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Plantillas
-rw-rw-r-- 1 sergi sergi  200 nov  6 15:51 pr2_exer1.txt
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Público
drwx----- 4 sergi sergi 4096 nov  1 18:26 snap
drwxr-xr-x 2 sergi sergi 4096 nov  1 17:27 Vídeos
sergi@sergi:~$
```

a)

```
sergi@sergi:~$ cat exer3.txt | cut -d " " -f1-100 | tr " " "#" >> exer3a.txt
sergi@sergi:~$ cat exer3a.txt
total#68
-rwxr--r--#1#sergi#sergi###40#nov##1#18:12#ab.txt
-rwxr--r--#1#sergi#sergi###20#nov##1#18:06#a.txt
-rwxr--r--#1#sergi#sergi###20#nov##1#18:06#b.txt
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Descargas
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Documentos
drwxr-xr-x#2#sergi#sergi#4096#nov##6#16:29#Escritorio
-rw-rw-r--#1#sergi#sergi###10#nov##6#16:14#exer2a.txt
-rw-rw-r--#1#sergi#sergi###20#nov##6#16:25#exer2b.txt
-rw-rw-r--#1#sergi#sergi###0#nov##6#16:30#exer3.txt
d-----#2#sergi#sergi#4096#nov##1#17:42#exercici
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Imágenes
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Música
-rw-rw-r--#1#sergi#sergi###30#nov##6#16:29#ordenexer2b.txt
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Plantillas
-rw-rw-r--#1#sergi#sergi###200#nov##6#15:51#pr2_exer1.txt
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Público
drwx-----#4#sergi#sergi#4096#nov##1#18:26#snap
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Videos
sergi@sergi:~$
```

b)

```
sergi@sergi:~$ cat exer3a.txt | cut -c1-4
tota
-rwx
-rwx
-rwx
drwx
drwx
drwx
-rw-
-rw-
-rw-
d--
drwx
drwx
-rw-
drwx
-rw-
drwx
drwx
drwx
sergi@sergi:~$
```

c)

```
sergi@sergi:~$ cat exer3a.txt | cut -d "#" -f3,5  
  
sergi#  
sergi#  
sergi#  
sergi#4096  
sergi#4096  
sergi#4096  
sergi#  
sergi#  
sergi#  
sergi#4096  
sergi#4096  
sergi#4096  
sergi#  
sergi#4096  
sergi#  
sergi#4096  
sergi#4096  
sergi#4096  
sergi@sergi:~$
```

d)

```
sergi@sergi:~$ sed -i 's/exer2/examen2/g' exer3a.txt  
sergi@sergi:~$ cat exer3a.txt  
total#68  
-rwxr--r--#1#sergi#sergi###40#nov##1#18:12#ab.txt  
-rwxr--r--#1#sergi#sergi###20#nov##1#18:06#a.txt  
-rwxr--r--#1#sergi#sergi###20#nov##1#18:06#b.txt  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Descargas  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Documentos  
drwxr-xr-x#2#sergi#sergi#4096#nov##6#16:29#Escritorio  
-rw-rw-r--#1#sergi#sergi###10#nov##6#16:14#examen2a.txt  
-rw-rw-r--#1#sergi#sergi###20#nov##6#16:25#examen2b.txt  
-rw-rw-r--#1#sergi#sergi###0#nov##6#16:30#exer3.txt  
d-----#2#sergi#sergi#4096#nov##1#17:42#exercici  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Imágenes  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Música  
-rw-rw-r--#1#sergi#sergi###30#nov##6#16:29#ordenexamen2b.txt  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Plantillas  
-rw-rw-r--#1#sergi#sergi##200#nov##6#15:51#pr2_exer1.txt  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Público  
drwx-----#4#sergi#sergi#4096#nov##1#18:26#snap  
drwxr-xr-x#2#sergi#sergi#4096#nov##1#17:27#Vídeos  
sergi@sergi:~$
```

4.

a)

```
sergi@sergi:~$ find -min -30
./local/share
./local/share/recently-used.xbel
./local/share/gvfs-metadata
./local/share/gvfs-metadata/home-7db9b866.log
./local/share/gvfs-metadata/home
./local/share/Trash/files
./local/share/Trash/files/Captura de pantalla -2021-11-06 16-31-05.png
./local/share/Trash/files/Captura de pantalla -2021-11-06 16-47-08.png
./local/share/Trash/files/Captura de pantalla -2021-11-06 16-50-07.png
./local/share/Trash/files/Captura de pantalla -2021-11-06 16-48-53.png
./local/share/Trash/info
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-27-45.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-29-28.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-31-05.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-47-08.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-50-07.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-48-53.png.trashinfo
./local/share/Trash/info/Captura de pantalla -2021-11-06 16-26-25.png.trashinfo
./exer3a.txt
./exer3.txt
./bash_history
./cache/mozilla/firefox/q8edczu5.default-release
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/block-flashsubdoc-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/social-tracking-protection-twitter-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/social-tracking-protection-facebook-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/except-flash-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/base-fingerprinting-track-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/base-cryptomining-track-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/social-tracking-protection-facebook-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/content-track-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/except-flashsubdoc-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/ads-track-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/block-flash-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/block-flashsubdoc-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/base-fingerprinting-track-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/block-flash-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-unwanted-proto.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-downloadwhite-proto.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-badlnr-proto.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-downloadwhite-proto.metadata
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-phish-proto.metadata
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-malware-proto.metadata
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-badlnr-proto.metadata
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-malware-proto.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-phish-proto.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google4/goog-unwanted-proto.metadata
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/mozilla-trackwhite-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/except-flashallow-digest256.sbstore
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/google-trackwhite-digest256.vlpset
./cache/mozilla/firefox/q8edczu5.default-release/safebrowsing/social-tracking-protection-twitter-digest256.vlpset
```

b)

```
sergi@sergi:~$ find *exer2*
exer2a.txt
exer2b.txt
ordenexer2b.txt
sergi@sergi:~$
```

c)

```
sergi@sergi:~$ find -user sergi
./config/libreoffice/4/user/config/soffice.cfg/modules/swriter/toolbar
./config/libreoffice/4/user/config/soffice.cfg/modules/swriter/menubar
./config/libreoffice/4/user/config/soffice.cfg/modules/swriter/statusbar
./config/libreoffice/4/user/config/autotbl.fnt
./config/libreoffice/4/user/config/javasettings_Linux_X86_64.xml
./config/libreoffice/4/user/uno_packages
./config/libreoffice/4/user/uno_packages/cache
./config/libreoffice/4/user/uno_packages/cache/registry
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.script.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.executable.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.sfwk.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.component.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.configuration.PackageRegistryBackend/backendedb.xml
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.bundle.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend
./config/libreoffice/4/user/uno_packages/cache/registry/com.sun.star.comp.deployment.help.PackageRegistryBackend/backendedb.xml
./config/libreoffice/4/user/uno_packages/cache/uno_packages
./config/libreoffice/4/user/backup
./config/libreoffice/4/user/backup/untitled_0.odt
./config/libreoffice/4/user/database
./config/libreoffice/4/user/database/btblto.odt
./config/libreoffice/4/user/database/btblto.odt
./config/libreoffice/4/user/database/btblto/btblto.dbf
./config/libreoffice/4/user/database/btblto/btblto.dbt
./config/libreoffice/4/user/autocorr
./config/libreoffice/4/user/autotext
./config/libreoffice/4/user/autotext/mytexts.bau
./config/libreoffice/4/lock
./config/libreoffice/4/lock
./config/evolution
./config/evolution/sources
./config/evolution/sources/system-proxy.source
./config/user-dirs.dirs
./Videos
./Xauthority
./xsession-errors.old
./ab.txt
./descargas
./dnrc
./vboxclient-seanless.pid
./vscode
./vscode/argv.json
./vscode/extensions
./Publico
./pki
./pki/nssdb
./pki/nssdb/pkcs11.txt
./pki/nssdb/cert9.db
./pki/nssdb/key4.db
./gnupg
./gnupg/private-keys-v1.d
sergi@sergi:~$ find -user sergi
```


d)

```
./.config/Trolltech.conf
./.config/evolution
./.config/evolution/sources
./.config/evolution/sources/system-proxy.source
./.config/user-dirs.dirs
./Videos
./Xauthority
./xsession-errors.old
./ab.txt
./Descargas
./dmrc
./vboxclient-seamless.pid
./vscode
./vscode/argv.json
./vscode/extensions
./Público
./pki
./pki/nssdb
./pki/nssdb/pkcs11.txt
./pki/nssdb/cert9.db
./pki/nssdb/key4.db
./gnupg
./gnupg/private-keys-v1.d
sergi@sergi:~$ find -size -1000k
```

e)

```
sergi@sergi:~$ find -size -1000k | ls -l -h
total 76K
-rwxr--r-- 1 sergi sergi 40 nov 1 18:12 ab.txt
-rwxr--r-- 1 sergi sergi 20 nov 1 18:06 a.txt
-rwxr--r-- 1 sergi sergi 20 nov 1 18:06 b.txt
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Descargas
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Documentos
drwxr-xr-x 2 sergi sergi 4,0K nov 6 17:07 Escritorio
-rw-rw-r-- 1 sergi sergi 10 nov 6 16:14 exer2a.txt
-rw-rw-r-- 1 sergi sergi 20 nov 6 16:25 exer2b.txt
-rw-rw-r-- 1 sergi sergi 962 nov 6 16:57 exer3a.txt
-rw-rw-r-- 1 sergi sergi 956 nov 6 16:30 exer3.txt
d----- 2 sergi sergi 4,0K nov 1 17:42 ejercici
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Imágenes
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Música
-rw-rw-r-- 1 sergi sergi 30 nov 6 16:29 ordenexer2b.txt
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Plantillas
-rw-rw-r-- 1 sergi sergi 200 nov 6 15:51 pr2_exer1.txt
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Público
drwx----- 4 sergi sergi 4,0K nov 1 18:26 snap
drwxr-xr-x 2 sergi sergi 4,0K nov 1 17:27 Videos
sergi@sergi:~$
```

